



Direct Drive Fans

Product Description

LM6000 packages utilize a belt-driven fan design that performs adequately but is difficult to maintain. Here are the difficulties with the belt-drive design:

- The fans squeal on startup while the fan assembly is accelerating to match the speed of the electric motor. This is a result of slippage between the drive belts and the sheaves due to the line-to-line startup nature of the electrical system.
- The belts are difficult to properly tension due to limited access to the belts when the motor and drive belts are installed.

Product Details

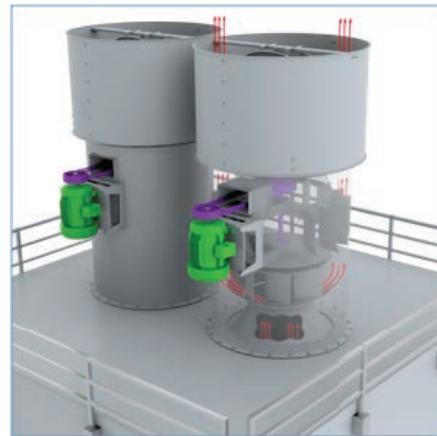
- This offering replaces the existing generator and turbine enclosure ventilation fans with a direct drive fan that eliminates the belt drive belts.
- By eliminating the belts, the fans can no longer slip, causing squealing on startup and there are no belts to tension. The fans are designed to be drop-in replacements requiring no modifications to any package hardware.

Customer Benefits

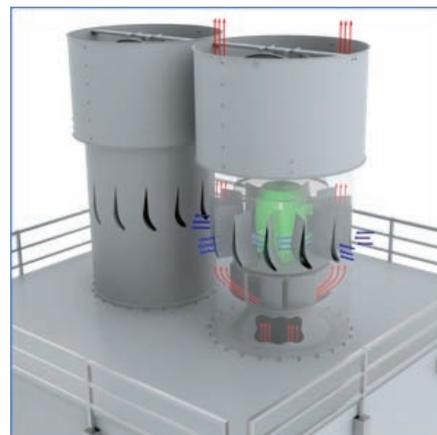
- Eliminate the squealing belts on startup and the process of properly tensioning the drive belts.
- Eliminate maintenance and replacement of fan belts.
- Eliminate the process of tensioning the belts.
- Eliminate startup noise from belts slipping.
- Eliminate pillow block bearings and their maintenance.

Applicable Units

LM6000	✓	LM2500	
LMS100		LM5000	
LM1600		TM2500	



Existing belt drive turbine enclosure ventilation fan.



New direct drive turbine enclosure ventilation fans.